\_\_\_\_\_\_

Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)

217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Wed Sep 05 15:35:32 EDT 2007

\_\_\_\_\_\_

\*\*\*\*\*\*\*\*\*\*\*\*

Reviewer Comments:

<210> 6

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<221> Variant

<222> (1)..(1)

<223> Wherein Xaa is an N-acetyl group.

<220>

<221> Variant

<222> (6)..(6)

<223> Wherein Xaa is a 7-amino-4-methylcoumarin group.

<400> 6

Xaa Ile Glu Pro Asp Xaa

1

The above explanations for Xaa are invalid: "Xaa" can only represent a single amino acid, not a functional group.

<210> 29

<211> 4

<212> PRT

<213> Homo sapiens

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<220>
<223> Chymotrypsin substrate specificity
<220>
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<222> 1
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<220>
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<223> Xaa= Val or Pro
<220>
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<222> 4
<223> Xaa= Phe ot Tyr
<400> 29
Xaa Xaa Xaa Xaa
 1
The above <223> explanation for "Xaa" at location 4 contains a
misspelling: please replace "ot" with "or."
<210> 54
<211> 4
<212> PRT
<213> Homo sapiens
<220>
<223> Cathepsin F substrate spec.
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<220>
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<222> 3
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<220>
<221> VARIANT
<222> 4
<221> VARIANT
<222> 4
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<400> 54
Xaa Xaa Leu Xaa
1
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The above "<222> 3" is an incorrect location for "Xaa:" "Leu" is at location 3; "Xaa" is at location 2.

\*\*\*\*\*\*\*\*\*\*\*\*\*

## Validated By CRFValidator v 1.0.3

Application No: 10677977 Version No: 4.0

Input Set:

Output Set:

**Started:** 2007-08-23 14:48:11.063

Finished: 2007-08-23 14:48:11.915

**Elapsed:** 0 hr(s) 0 min(s) 0 sec(s) 852 ms

Total Warnings: 3

Total Errors: 3

No. of SeqIDs Defined: 57

Actual SeqID Count: 57

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W	213	Artificial or Unknown found in <213> in SEQ ID (5)												
W	213	Artificial or Unknown found in <213> in SEQ ID (22)												
E	257	Invalid sequence data feature in <221> in SEQ ID (22)												
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E	341	'Xaa' position not defined SEQID (54) POS (2)												

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Glu	Pro	Lys		Ile	His	Gly	Ser		Ser	Met	Asp	Ser	V	Ile	Ser	
			20					25					30			
Leu	Asp	Asn	Ser	Tyr	Lys	Met	Asp	Tyr	Pro	Glu	Met	Gly	Leu	Cys	Ile	
		35					40					45				
тlа	Tla	Asn	Δan	Twe	Zαn	Dho	Нiа	Lwe	Sar	Thr	Clv	Mat	Thr	Sar	Δrα	
116	50	Abii	ADII	шув	ASII	55	IIIS	шуБ	Der	T111	60	nec	1111	Der	Arg	
	Gly	Thr	Asp	Val	_	Ala	Ala	Asn	Leu		Glu	Thr	Phe	Arg		
65					70					75					80	
Leu	Lys	Tyr	Glu	Val	Arg	Asn	Lys	Asn	Asp	Leu	Thr	Arg	Glu	Glu	Ile	
				85					90					95		
τ <i>τ</i> - ¬	C 1	Т	<b>N/I ← </b> ±	7\	7\ ~	77-7	C =	T ••	C 1	7\	Γ <b>1</b>	C =	T •••	7\ == ==	C	
val	GIU	Leu	ויזה ר	vτd	ASD	val	ser	шуБ	GIU	ASD	$\Pi T \Sigma$	Set	пλг	$\nabla T \hat{A}$	Set	

Ser Phe Val Cys Val Leu Leu Ser His Gly Glu Glu Gly Ile Ile Phe Gly Thr Asn Gly Pro Val Asp Leu Lys Lys Ile Thr Asn Phe Phe Arg Gly Asp Arg Cys Arg Ser Leu Thr Gly Lys Pro Lys Leu Phe Ile Ile Gln Ala Cys Arg Gly Thr Glu Leu Asp Cys Gly Ile Glu Thr Asp Ser Gly Val Asp Asp Met Ala Cys His Lys Ile Pro Val Asp Ala Asp Phe Leu Tyr Ala Tyr Ser Thr Ala Pro Gly Tyr Tyr Ser Trp Arg Asn Ser Lys Asp Gly Ser Trp Phe Ile Gln Ser Leu Cys Ala Met Leu Lys Gln Tyr Ala Asp Lys Leu Glu Phe Met His Ile Leu Thr Arg Val Asn Arg Lys Val Ala Thr Glu Phe Glu Ser Phe Ser Phe Asp Ala Thr Phe His Ala Lys Lys Gln Ile Pro Cys Ile Val Ser Met Leu Thr Lys Glu 

Leu Tyr Phe Tyr His 275

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